

# TABLE II

REQUIRED COVER OVER PIPE AND VALVES FOR WATER MAINS THAT ARE INSTALLED IN THE CITY OF NORFOLK,VA. ALL DIMENSIONS GIVEN IN INCHES.

NOMINAL SIZE OF DI PIPE	DISTANCE FROM TOP OF PIPE TO TOP OF VALVE	REQUIRED COVER OVER PIPE (INCH)	SIZE OF STD. M.J.GATE VALVES TAPER SEAT	REQUIRED COVER OVER VALVES (INCH)
2"		30	2	
3"	13.4	30	3	16.6
4"	14.9	30	4	15.1
6"	16.6	30	6	13.4
8"	19.1	36	8	16.9
10"	23.7	36	10	12.3
12"	25.5	42	12	16.5
14"	31.1	46	14 +	14.9
16"	35.1	50	16 +	14.9
			VERT. GEARED VALVES	
18"	43.5	60	18	16.5
20"	45.6	60	20	14.4
24"	51.0	66 ++	24	15.0
30"	59.2	72 ++	30	12.8
36"	67.3	80 ++	36	12.7
42"	79.1	92 ++	42	12.9
			HORZ. GEARED VALVES	
18"	6.5	36	18	29.5
20"	7.1	36	20	14.4
24"	5.0	36	24	31.0
30"	3.5	36	30	32.5
36"	0.4	36	36	35.6
42"	4.0	36	42	32.0

+ SIDEWEDGE, PARALLEL SEAT VALVE (VERTICAL)

++ PIPE LAID WITH OVER 5' OF COVER SEE DWG. FOR SPECIAL LAYING CONDITIONS.

## NOTE:

1. THE MINIMUM COVER OVER PIPES SHALL BE AS SHOWN IN TABLE NO. II FOR WATER MAINS INSTALLED IN THE CITY OF NORFOLK, EXCEPT WHEN SUCH CONDITIONS EXIST. TO PREVENT THIS COVER FROM BEING OBTAINED, IN WHICH EVENT THE AMOUNT OF COVER SHALL BE DETERMINED BY THE ENGINEER. THE AMOUNT OF COVER SHALL BE MEASURED FROM THE PROPOSED GRADE OF THE STREET OR THE EXISTING GRADE WHICH EVER MAY BE THE LOWER.

CITY OF NORFOLK – DEPARTMENT OF UTILITIES  
STANDARD DETAILS

SCALE:  
NOT TO SCALE

REQUIRED COVER OVER PIPE

DRAWING NO.  
CS 35

DATE: 05/06